

## ABSTRACT

### THE INFLUENCE OF COOPERATIVE LEARNING OF GROUP INVESTIGATION MODEL TOWARDS CHARACTER DEVELOPMENT AND LEARNING ACHIEVEMENT FOR BASIC MEASURING DEVICES IN SMK N 2 WONOSARI

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This study aims at determining the the influence of cooperative learning group model investigation of the character development of students; moreover; knowing the the influence in implementing the cooperative learning group model investigation of the basic learning achievements of the student's proficiency.

This research is quasi experiment with a design called by non-equivalent group design. Population of this research was all from X grade of engineers class from SMK N 2 Wonosari that were consisted of 96 students divided into 3 classes. By using random sampling technique, where class samples were randomly selected class by lottery and the chosen samples were from the X class and X MA MB each as much as 32 students. Data collection was from the first test and final test, and the used instrument was in the form of multiple choice questions and observation sheet value of the character that has been validated by the experienced lecturer and examined its reliability. Analyzing the data was using the t test to know the difference or improvement of learning achievement and character development of the students before and after the treatment given.

This results shows that there are different improvement in learning achievement and character development of the students between the experimental and control classes. The t test result shows that  $t_{count}$  is bigger than  $t_{table}$  ( $t_h : 4,293 > t_t : 2,00$ ) at significant level of 5%. Improvement in learning the basic measuring devices can be seen from the average difference between the experimental class and control class that is  $(75,59 > 65,87)$ . Based on the gain scores, later obtained experimental scores  $>$  control scores  $(17,40 > 7,21)$ . From these results it can be interpreted that there are improvements in learning achievement of the basic measuring devices in experimental classroom students. The application in *Investigation Group* model can be applied as an alternative in character education development.

Keywords: cooperative learning, character development, students' learning achievement